

SETUP Guide

1. Install Node.js on your machine (Follow Node js guide for installation)

```
v14.15.5
C:\Users\Depinder Bharti>node -v
v14.15.5

C:\Users\Depinder Bharti>npm -v
6.14.11

C:\Users\Depinder Bharti>python -v
'python' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Depinder Bharti>where node
C:\Program Files\nodejs\node.exe

C:\Users\Depinder Bharti>where npm
C:\Program Files\nodejs\npm
C:\Program Files\nodejs\npm.cmd

C:\Users\Depinder Bharti>
```

a.

2. Install Appium on your machine

- a. “npm install -g Appium”

3. Check if appium is installed

- a. “appium -v
- b. “where Appium”

4. Dot Net might be required 4.6.1 – Depends upon the system. See if any installation asks for it.

5. Install Android Studio

- a. Download SDKs and create an emulator
- b. Follow Android Studio guide

6. Install Appium Doctor to test your Appium setup

- a. Execute to check if everything is installed perfectly “Appium-doctor – android”

7. Install Pycharm IDE – For coding – You can use any IDE or even Notepad if you prefer

- a. Set Python interpreter

8. Create account on the todoist

- a. Username: depinder@gmail.com
- b. Password: testassignment
- c. API Token : 49a99883576f8eb3343859b79e0bdcdab3cf91ac

9. Install Python and libs

- a. “pip install Appium-python-client” (this will automatically install selenium)
- b. “pip install pandas”

10. Install JRE - will help in recognizing ui elements on emulator/device
11. Declare Android_Home and JAVA_Home in environment variables and update PATH
 - a. PATH: %ANDROID_HOME%\tools;%ANDROID_HOME%\platform-tools
 - b. ANDROID_HOME C:\Users\Depinder Bharti\AppData\Local\Android\Sdk
 - c. JAVA_HOME {your install location}
12. Check with Appium doctor if all the installations are fine
13. Start Appium “appium”
14. This test assumes that the apk is already installed on the device – if not it can be passed as Appium parameter.

Debug Tips

Check device name

Check for device name for using in the testcase setup – “adb devices”

```
C:\Users\Depinder Bharti>adb devices
* daemon not running; starting now at tcp:5037
* daemon started successfully
List of devices attached
emulator-5554    device

C:\Users\Depinder Bharti>adb install "C:\Users\Depinder Bharti\Desktop\com.todoist_15.0.4-6030_minAPI21(nodpi)_apkmirror.com.apk"
Performing Streamed Install
```

Check appname and activity name/Launchable activity

Adb shell

dumpsys window windows | grep -E 'mObscuringWindow'

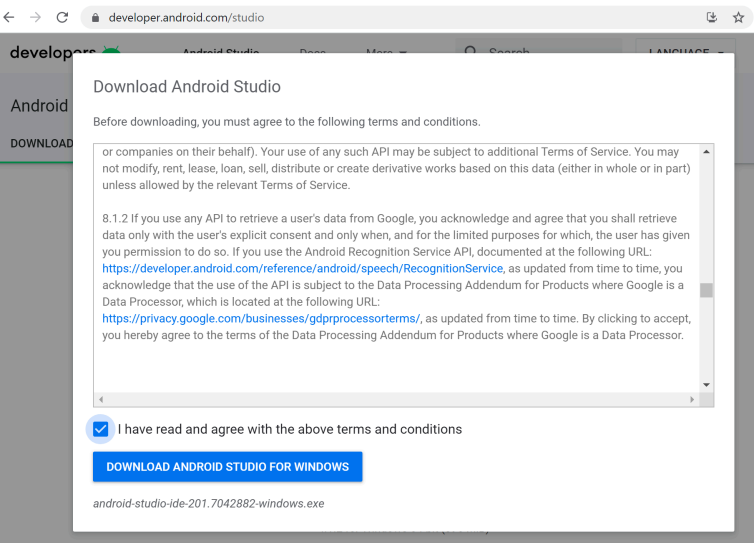
aapt dump badging {path to apk}

Restart daemon if required (if crashes)

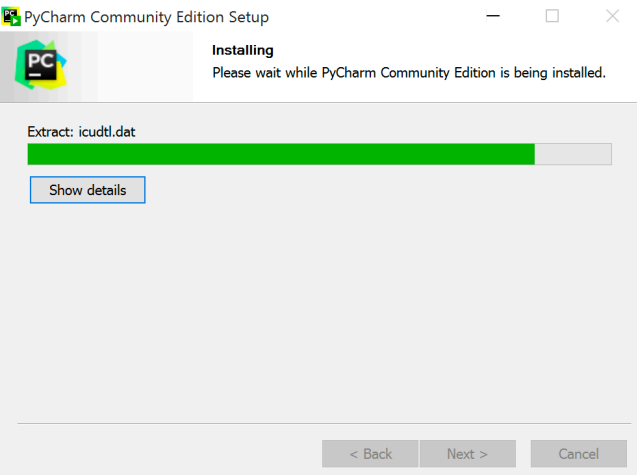
Adb kill-server

Adb start-server

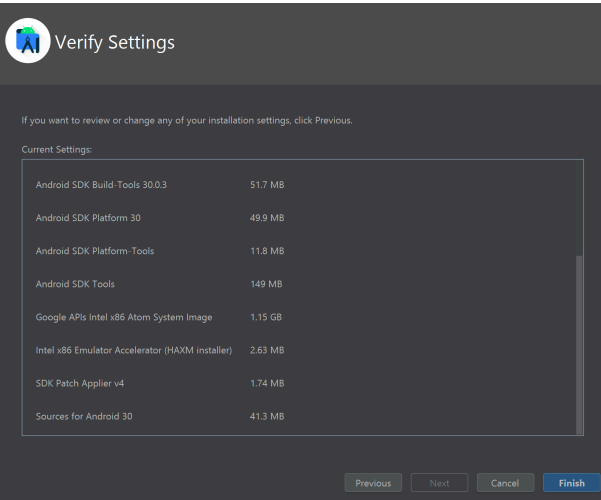
Installation Screenshots



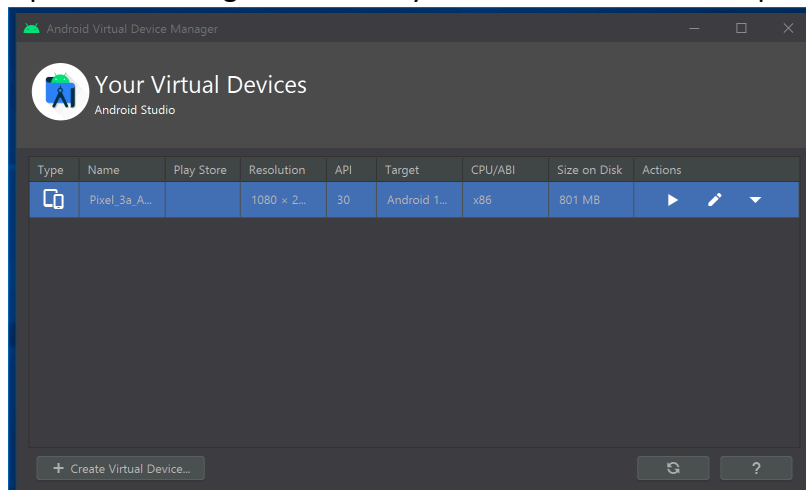
Install pycharm



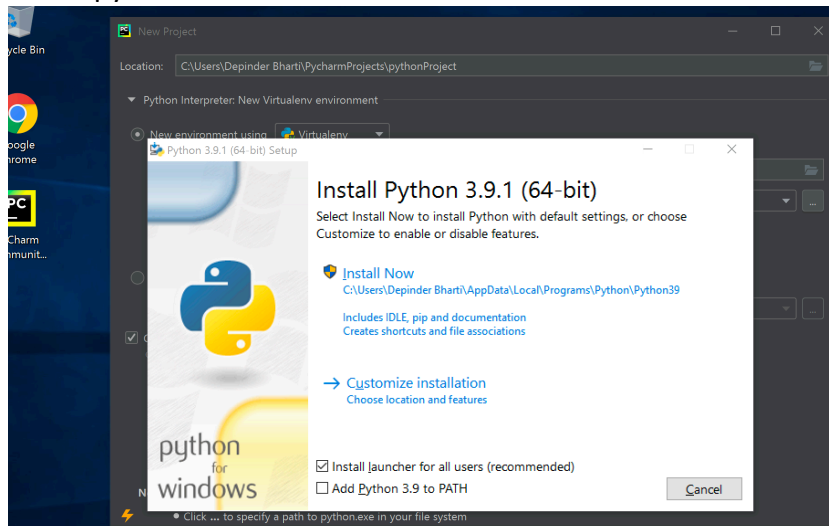
Basic Android studio Setup



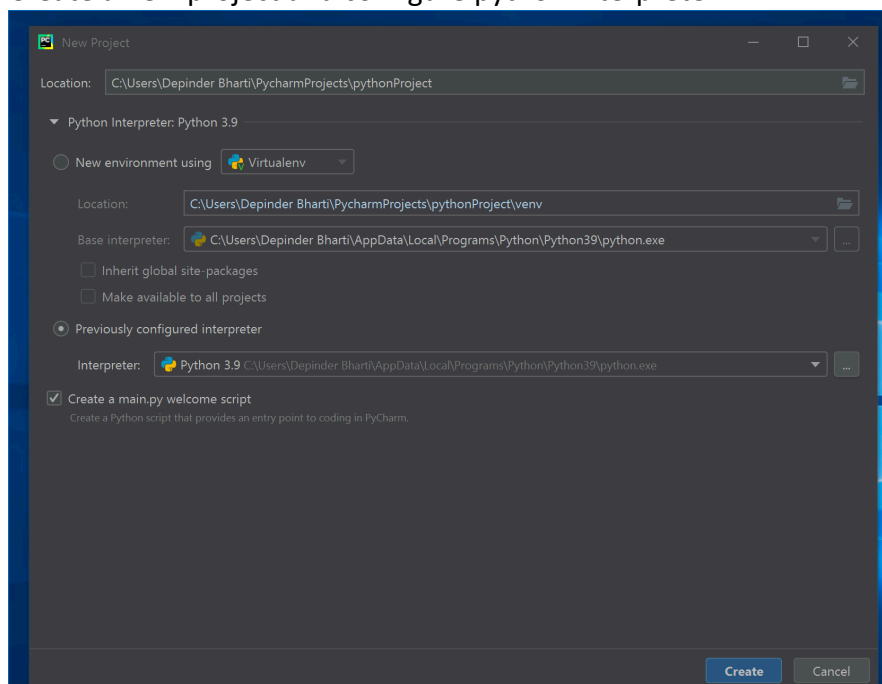
Open AVD manager and check your new AVD or edit if required



Install python

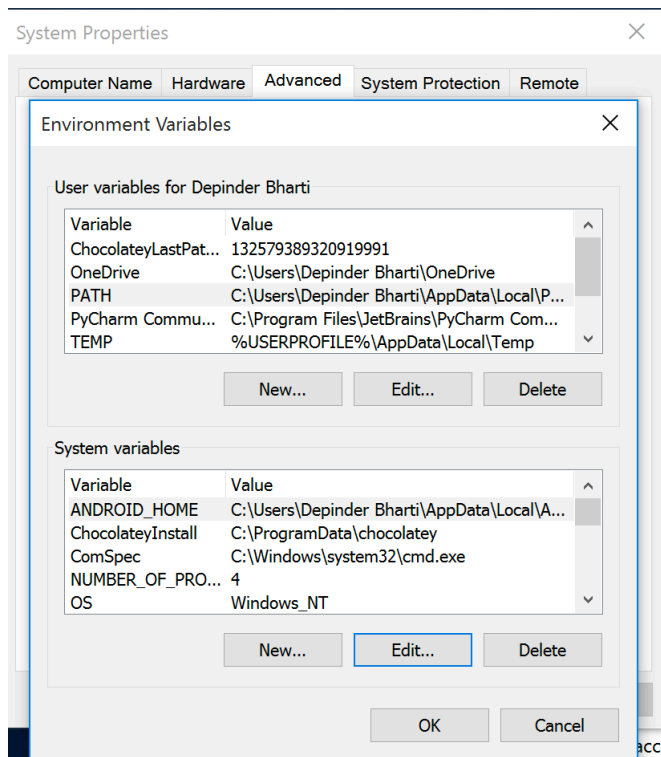


Create a new project and configure python interpreter



```
C:\Users\Depinder Bharti>pip install requests
Collecting requests
  Downloading requests-2.25.1-py2.py3-none-any.whl (61 kB)
    |████████████████████████████████████████| 61 kB 2.0 MB/s
Collecting chardet<5,>=3.0.2
  Downloading chardet-4.0.0-py2.py3-none-any.whl (178 kB)
    |████████████████████████████████████████| 178 kB 6.8 MB/s
Collecting idna<3,>=2.5
  Downloading idna-2.10-py2.py3-none-any.whl (58 kB)
    |████████████████████████████████████████| 58 kB 2.9 MB/s
Collecting urllib3<1.27,>=1.21.1
  Downloading urllib3-1.26.3-py2.py3-none-any.whl (137 kB)
    |████████████████████████████████████████| 137 kB 3.3 MB/s
Collecting certifi>=2017.4.17
  Downloading certifi-2020.12.5-py2.py3-none-any.whl (147 kB)
    |████████████████████████████████████████| 147 kB 3.2 MB/s
Installing collected packages: chardet, idna, urllib3, certifi, requests
Successfully installed certifi-2020.12.5 chardet-4.0.0 idna-2.10 requests-2
WARNING: You are using pip version 20.2.3; however, version 21.0.1 is avail
You should consider upgrading via the 'c:\users\depinder bharti\appdata\loc
```

Environment variables



Emulator

